# Author Index to JOURNAL OF HEAT TRANSFER Vol. 116, 1994


## A

**Abdel Hadi, E. A.** See Habib, M. A., Mobarak, A. M., Sallak, M. A., Abdel Hadi, E. A., and Affify, R. I., pp. 363–368.

**Abdel-Khalik, S. I.** See Halvorson, P. J., Carson, R. J., Jeter, S. M., and Abdel-Khalik, S. I., pp. 679–685.

**Abou-Ellail, M. M. M.** See Chan, S. H., and Abou-Ellail, M. M. M., pp. 427–435.

**Abu-Mulaweh, H. I., Armaly, B. F., and Chen, T. S.** Measurements in Buoyancy-Opposing Laminar Flow Over a Vertical Backward-Facing Step, pp. 247–250.

**Abu-Zaid, M., and Atreya, A.** Transient Cooling of Hot Porous and Nonporous Ceramic Solids by Droplet Evaporation, pp. 694–701.

**Affify, R. I.** See Habib, M. A., Mobarak, A. M., Sallak, M. A., Abdel Hadi, E. A., and Affify, R. I., pp. 363–368.

**Ahmed, G. R., and Yovanovich, M. M.** Approximate Analytical Solution of Forced Convection Heat Transfer From Isothermal Spheres for All Prandtl Numbers, pp. 838–843.

**Al-Nimr, M. A., and Hader, M. A.** Transient Conjugated Heat Transfer in Developing Laminar Pipe Flow, pp. 234–236.

**Altenkirch, R. A.** See West, J., Bhattacharjee, S., and Altenkirch, R. A., pp. 646–651.

**Anand, N. K.** See Kim, S. H., and Anand, N. K., pp. 577–587.

**Antoniadis, D. A.** See Goodson, K. E., Flik, M. I., Su, L. T., and Antoniadis, D. A., pp. 317–324.

**Armaly, B. F.** See Abu-Mulaweh, H. I., Armaly, B. F., and Chen, T. S., pp. 247–250.

**Atreya, A.** See Abu-Zaid, M., and Atreya, A., pp. 694–701.

**Aziz, S. D.** See Chandra, S., and Aziz, S. D., pp. 999–1006.

## B

**Back, L. H., and Massier, P. F.** Heat Transfer From a Very High Temperature Laminar Gas Flow With Swirl to a Cooled Circular Tube and Nozzle, pp. 35–39.

**Badran, B.** See Longtin, J. P., Badran, B., and Gerner, F. M., pp. 709–715.

**Ban, H., Venkatesh, S., and Saito, K.** Convection–Diffusion Controlled Laminar Micro Flames, pp. 954–959.

**Bankoff, S. G.** Significant Questions in Thin Liquid Film Heat Transfer, pp. 10–16.

**Bankoff, S. G.** See Kim, H., Bankoff, S. G., and Miksis, M. J., pp. 986–992.

**Barbosa Mota, J. P., and Saatdjian, E.** Natural Convection in a Porous, Horizontal Cylindrical Annulus, pp. 621–626.

**Bartsch, G.** See Huang, X. C., and Bartsch, G., pp. 1053–1055.

**Beasley, D. E.** See Pence, D. V., Beasley, D. E., and Figliola, R. S., pp. 929–937.

**Bejan, A.** See Vargas, J. V. C., Bejan, A., and Dobrovicescu, A., pp. 702–708.

**Bergles, A. E.** See Ravigururajan, T. S., and Bergles, A. E., pp. 54–57.

**Bhattacharjee, S.** See West, J., Bhattacharjee, S., and Altenkirch, R. A., pp. 646–651.

**Biswas, G., Deb, P., and Biswas, S.** Generation of Longitudinal Streamwise Vortices—A Device for Improving Heat Exchanger Design, pp. 588–597.

**Biswas, S.** See Biswas, G., Deb, P., and Biswas, S., pp. 588–597.

**Bizzak, D. J.** See Chyu, M. K., and Bizzak, D. J., pp. 263–266.

**Brewster, M. Q.** See Tang, K. C., and Brewster, M. Q., pp. 980–985.

**Brunger, A. P.** See Clemes, S. B., Hollands, K. G. T., and Brunger, A. P., pp. 96–104.

**Buckius, R. O.** See Dimenna, R. A., and Buckius, R. O., pp. 639–645.

## C

**Cai, L.** See Stewart, W. E., Jr., Cai, L., and Stickler, L. A., pp. 1044–1046.

**Callahan, V.** See Priedeman, D., Callahan, V., and Webb, B. W., pp. 486–489.

**Carson, R. J.** See Halvorson, P. J., Carson, R. J., Jeter, S. M., and Abdel-Khalik, S. I., pp. 679–685.

**Cao, W.** See Zeng, S. Q., Hunt,, A. J., Cao, W., and Greif, R., pp. 756–759.

**Chai, J. C., Lee, H. S., and Patankar, S. V.** Improved Treatment of Scattering Using the Discrete Ordinates Method, pp. 260–263.

**Chamkha, A. J.** Effects of Particulate Diffusion on the Thermal Flat Plate Boundary Layer of a Two-Phase Suspension, pp. 236–239.

**Chamkha, A. J.** Two-Phase Thermal Asymptotic Suction Profile, pp. 270–272.

**Chan, S. H., and Abou-Ellail, M. M. M.** A Two-Fluid Model for Reacting Turbulent Two-Phase Flows, pp. 427–435.

**Chan, S. H., and Zhang, W.** Rewetting Theory and the Dryout Heat Flux of Smooth and Grooved Plates With a Uniform Heating, pp. 173–179.

**Chandra, S., and Aziz, S. D.** Leidenfrost Evaporation of Liquid Nitrogen Droplets, pp. 999–1006.

**Chao, C. H.** See Hwang, G. J., and Chao, C. H., pp. 456–464.

**Chen, C.-K.** See Yang, S.-A., and Chen, C.-K., pp. 1046–1049.

**Chen, G., and Tien, C. L.** Thermally Induced Optical Nonlinearity During Transient Heating of Thin Films, pp. 311–316.

**Chen, G.** See Tien, C. L., and Chen, G., pp. 799–807.

**Chen, G., Tien, C. L., Wu, X., and Smith, J. S.** Thermal Diffusivity Measurement of GaAs/AlGaAs Thin-Film Structures, pp. 325–331.

**Chen, G.-Q.** See Peng, S.-W., and Chen, G.-Q., pp. 215–220.

**Chen, H.-T., and Lin, J.-Y.** Study of Hyperbolid Heat Conduction With Temperature Dependent Thermal Properties, pp. 750–753.

**Chen, T. S.** See Abu-Mulaweh, H. I., Armaly, B. F., and Chen, T. S., pp. 247–250.

**Cheng, B., and Tao, W. Q.** Experimental Study of R-152a Film Condensation on Single Horizontal Smooth Tube and Enhanced Tubes, pp. 266–270.

**Cheung, F. B.** See Tan, M. J., Cho, D. H., and Cheung, F. B., pp. 127–135.

**Chiffelle, R. J.** See Tzou, D. Y., Özişik, M. N., and Chiffelle, R. J., pp. 1034–1038.

**Chilman, S. V.** See Memory, S. B., Chilman, S. V., and Marto, P. J., pp. 670–678.

**Cho, D. H.** See Tan, M. J., Cho, D. H., and Cheung, F. B., pp. 127–135.

**Cho, H. H., Jabbari, M. Y., and Goldstein, R. J.** Mass Transfer With Flow Through an Array of Rectangular Cylinders, pp. 904–911.

**Chou, F. C., Su, J. H., and Lien, S. S.** A Re-evaluation of Non-Darcian Forced and Mixed Convection in Cylindrical Packed Tubes, pp. 513–516.

**Chou, Y. J., and Hung, Y. H.** Impingement Cooling of an Isothermally Heated Surface With a Confined Slot Jet, pp. 479–482.
**Choudhury, S. R., and Jaluria, Y.** Forced Convective Heat Transfer From a Continuously Moving Heated Cylindrical Rod in Materials Processing, pp. 724–734.
**Choudhury, S. R., Jaluria, Y., Vaskopoulos, T., and Polymeropoulos, C. E.** Forced Convection Cooling of Optical Fiber During Drawing Process, pp. 790–794.
**Christensen, R. N.** See Srinivasan, V., Vafai, K., and Christensen, R. N., pp. 543–551.
**Chugunov, V. A.** See Fomin, S. A., Wei, P. S., and Chugunov, V. A., pp. 1028–1033.
**Chyu, M. K., and Bizzak, D. J.** Surface Temperature Measurement Using a Laser-Induced Fluorescence Thermal Imaging System, pp. 263–266.
**Chyu, M. K.** See Natarajan, V., and Chyu, M. K., pp. 552–560.
**Ciriello, S.** See Ligrani, P. M., Wigle, J. M., Ciriello, S., and Jackson, S. M., pp. 341–352.
**Clemes, S. B., Hollands, K. G. T., and Brunger, A. P.** Natural Convection Heat Transfer From Long Horizontal Isothermal Cylinders, pp. 96–104.
**Conlisk, A. T.** Semi-analytical Design of a Falling Film Absorber, pp. 1055–1058.
**Cotta, R. M.** See Guedes, R. O. C., Ozisik, M. N., and Cotta, R. M., pp. 40–46.
**Cravalho, E. G.** See Zhang, Z. M., Le, T. A., Flik, M. I., and Cravalho, E. G., pp. 253–257.

## D

**Dai, Z., Tseng, L.-K., and Faeth, G. M.** Structure of Round, Fully Developed, Buoyant Turbulent Plumes, pp. 409–417.
**DasGupta, S., Kim, I. Y., and Wayner, P. C., Jr.** Use of the Kelvin–Clapeyron Equation to Model an Evaporating Curved Microfilm, pp. 1007–1015.
**Datla, R. U.** See Zhang, Z. M., Datla, R. U., Lorentz, S. R., and Tang, H. C., pp. 993–998.
**Deb, P.** See Biswas, G., Deb, P., and Biswas, S., pp. 588–597.
**Dellenback, P. A., Sanger, J. L., and Metzger, D. E.** Heat Transfer in Coaxial Jet Mixing With Swirled Inner Jet, pp. 864–870.
**Dimenna, R. A., and Buckius, R. O.** Electromagnetic Theory Predictions of the Directional Scattering From Triangular Surfaces, pp. 639–645.
**Dincer, I.** Surface Heat Transfer Coefficients of Cylindrical Food Products Cooled With Water, pp. 764–767.
**Dobrovicescu, A.** See Vargas, J. V. C., Bejan, A., and Dobrovicescu, A., pp. 702–708.
**Dong, Z. F., and Ebadian, M. A.** Mixed Convection in the Cusped Duct, pp. 250–253.
**Dong, Z. F., and Ebadian, M. A.** Investigation of Double-Diffusive Convection in a Trapezoidal Enclosure, pp. 492–495.
**Driscoll, M. J.** See Fu, G., Todreas, N. E., Hejzlar, P., and Driscoll, M. J., pp. 489–492.
**Dutta, P.** See Menguc, M. P., and Dutta, P., pp. 144–151.

## E

**Eaton, J. K.** See Pauley, W. R., and Eaton, J. R., pp. 871–879.
**Ebadian, M. A.** See Dong, Z. F., and Ebadian, M. A., pp. 250–253.
**Ebadian, M. A.** See Dong, Z. F., and Ebadian, M. A., pp. 492–495.
**Ebadian, M. A.** See Yang, G., and Ebadian, M. A., pp. 771–775.
**Elovic, E.** See Kim, S. Y., Han, J. C., Morrison, G. L., and Elovic, E., pp. 66–72.
**Emery, A. F.** See Fadale, T. D., and Emery, A. F., pp. 808–814.
**Epstein, M.** A Similarity Solution for Combined Hydrodynamic and Heat Transfer Controlled Bubble Growth in a Porous Medium, pp. 516–518.

## F

**Facas, G. N.** Reducing the Heat Transfer From a Hot Pipe Buried in a Semi-infinite, Saturated, Porous Medium, pp. 473–476.
**Fadale, T. D., and Emery, A. F.** Transient Effects of Uncertainties on the Sensitivities of Temperature and Heat Fluxes Using Stochastic Finite Elements, pp. 808–814.
**Faeth, G. M.** See Koylü, Ü. Ö., and Faeth, G. M., pp. 152–159.
**Faeth, G. M.** See Koylü, Ü. Ö., and Faeth, G. M., pp. 971–979.
**Faeth, G. M.** See Dai, Z., Tseng, L.-K., and Faeth, G. M., pp. 409–417.
**Faghri, A.** See Harley, C., and Faghri, A., pp. 418–426.
**Faghri, A.** See Harley, C., and Faghri, A., pp. 716–723.
**Faghri, A.** See Khrustalev, D., and Faghri, A., pp. 189–198.
**Faghri, A.** See Zeng, X., and Faghri, A., pp. 446–455.
**Fahrner, C. J.** See Hingorani, S., Fahrner, C. J., Mackowski, D. W., Gooding, J. S., and Jaeger, R. C., pp. 296–301.
**Fann, S., Yang, W.-J., and Mochizuki, S.** Transport Phenomena at Entrance Regions of Rotating Heated Channels With Laminar Throughflow, pp. 239–242.
**Fiebig, M.** See Tiggelbeck, S., Mitra, N. K., and Fiebig, M., pp. 880–885.
**Figliola, R. S.** See Pence, D. V., Beasley, D. E., and Figliola, R. S., pp. 929–937.
**Flamant, G., Lu, J. D., and Variot, B.** Radiation Heat Transfer in Fluidized Beds: A Comparison of Exact and Simplified Approaches, pp. 652–659.
**Fletcher, L. S.** See Lee, Y.-M., Haji-Sheikh, A., Fletcher, L. S., and Peterson, G. P., pp. 17–27.
**Fletcher, L. S.** See Mittelbach, M., Vogd, C., Fletcher, L. S., and Peterson, G. P., pp. 823–828.
**Flik, M. I.** See Fushinobu, K., Phelan, P. E., Hijkata, K., Nagasaki, T., and Flik, M. I., pp. 275–278.
**Flik, M. I.** See Goodson, K. E., Flik, M. I., Su, L. T., and Antoniadis, D. A., pp. 317–324.
**Flik, M. I.** See Zhang, Z. M., Le, T. A., Flik, M. I., and Cravalho, E. G., pp. 253–257.
**Floryan, J. M.** See Furmanski, P., and Floryan, J. M., pp. 302–310.
**Floryan, J. M.** See Straatman, A. G., Naylor, D., Floryan, J. M., and Tarasuk, J. D., pp. 243–245.
**Fomin, S. A., Wei, P. S., and Chugunov, V. A.** Melting Solid Plug Between Two Coaxial Pipes by a Moving Heat Source in the Inner Pipe, pp. 1028–1033.
**Fu, G., Todreas, N. E., Hejzlar, P., and Driscoll, M. J.** Heat Transfer Correlations for Reactor Rise in Mixed Convection Air Flow, pp. 489–492.
**Fujita, H.** See Hirota, M., Fujita, H., and Yokosawa, H., pp. 332–340.
**Furmanski, P., and Floryan, J. M.** A Thermal Barrier With Adaptive Heat Transfer Characteristics, pp. 302–310.
**Fushinobu, K., Phelan, P. E., Hijikata, K., Nagasaki, T., and Flik, M. I.** Thermal Analysis of the Performance of a High-$T_c$ Superconducting Microbolometer, pp. 275–278.

## G

**Gabour, L. A., and Lienhard, J. H., V** Wall Roughness Effects on Stagnation-Point Heat Transfer Beneath an Impinging Liquid Jet, pp. 81–87.
**Gaskell, D. R.** See Prescott, P. J., Incropera, F. P., and Gaskell, D. R., pp. 742–749.
**Gerner, F. M.** See Longtin, J. P., Badran, B., and Gerner, F. M., pp. 709–715.
**Goldstein, R. J.** See Cho, H. H., Jabbari, M. Y., and Goldstein, R. J., pp. 904–911.
**Gooding, J. S.** See Hingorani, S., Fahrner, C. J., Mackowski, D. W., Gooding, J. S., and Jaeger, R. C., pp. 296–301.
**Goodson, K. E., Flik, M. I., Su, L. T., and Antoniadis, D. A.** Prediction and Measurement of the Thermal Conductivity of Amorphous Dielectric Layers, pp. 317–324.

**Gopinath, A., and Mills, A. F.** Convective Heat Transfer Due to Acoustic Streaming Across the Ends of a Kundt Tube, pp. 47–53.
**Greif, R.** See Zeng, S. Q., Hunt, A. J., Cao, W., and Greif, R., pp. 756–759.
**Gu, W. Z.** See Zhang, Y. M., Gu, W. Z., and Han, J. C., pp. 58–65.
**Guedes, R. O. C., Ozisik, M. N., and Cotta, R. M.** Conjugated Periodic Turbulent Forced Convection in a Parallel Plate Channel, pp. 40–46.

## H

**Ha, J. M., and Peterson, G. P.** Analytical Prediction of the Axial Dryout Point for Evaporating Liquids in Triangular Microgrooves, pp. 498–503.
**Habib, M. A., Mobarak, A. M., Sallak, M. A., Abdel Hadi, E. A., and Affify, R. I.** Experimental Investigation of Heat Transfer and Flow Over Baffles of Different Heights, pp. 363–368.
**Hader, M. A.** See Al-Nimr, M. A., and Hader, M. A., pp. 234–236.
**Hadim, A.** Forced Convection in a Porous Channel With Localized Heat Sources, pp. 465–472.
**Haji-Sheikh, A.** See Lee, Y.-M., Haji-Sheikh, A., Fletcher, L. S., and Peterson, G. P., pp. 17–27.
**Halvorson, P. J., Carson, R. J., Jeter, S. M., and Abdel-Khalik, S. I.** Critical Heat Flux Limits for a Heated Surface Impacted by a Stream of Liquid Droplets, pp. 679–685.
**Hamady, F. J., Lloyd, J. R., Yang, K. T., and Yang, H. Q.** A Study of Natural Convection in a Rotating Enclosure, pp. 136–143.
**Han, J. C.** See Kim, S. Y., Han, J. C., Morrison, G. L., and Elovic, E., pp. 66–72.
**Han, J. C.** See Ou, S., and Han, J. C., pp. 561–569.
**Han, J. C.** See Ou, S., and Han, J. C., pp. 921–928.
**Han, J. C.** See Zhang, Y. M., Gu, W. Z., and Han, J. C., pp. 58–65.
**Han, J.-C.** See Zhang, L., and Han, J.-C., pp. 896–903.
**Harley, C., and Faghri, A.** Complete Transient Two-Dimensional Analysis of Two-Phase Closed Thermosyphons Including the Falling Condensate Film, pp. 418–426.
**Harley, C., and Faghri, A.** Transient Two-Dimensional Gas-Loaded Heat Pipe Analysis, pp. 716–723.
**Henkes, R. A. W. M., and Hoogendoorn, C. J.** Scaling of the Turbulent Natural Convection Flow in a Heated Square Cavity, pp. 400–408.
**Hejzlar, P.** See Fu, G., Todreas, N. E., Hejzlar, P., and Driscoll, M. J., pp. 489–492.
**Hiawy, B.** See Mantle, J., Kazmierczak, M., and Hiawy, B., pp. 614–620.
**Hijikata, K.** See Fushinobu, K., Phelan, P. E., Hijikata, K., Nagasaki, T., and Flik, M. I., pp. 275–278.
**Hijikata, K.** See Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K., pp. 1038–1041.
**Hingorani, S., Fahrner, C. J., Mackowski, D. W., Gooding, J. S., and Jaeger, R. C.** Optimal Sizing of Planar Thermal Spreaders, pp. 296–301.
**Hirota, M., Fujita, H., and Yokosawa, H.** Experimental Study on Convective Heat Transfer for Turbulent Flow in a Square Duct With a Ribbed Rough Wall (Characteristics of Mean Temperature Field), pp. 332–340.
**Hollands, K. G. T.** See Clemes, S. B., Hollands, K. G. T., and Brunger, A. P., pp. 96–104.
**Hollands, K. G. T.** See Karagiozis, A., Raithby, G. D., and Hollands, K. G. T., pp. 105–111.
**Hoogendoorn, C. J.** See Henkes, R. A. W. M., and Hoogendoorn, C. J., pp. 400–408.
**Hsieh, C. K.** See Nyros, J. G., and Hsieh, C. K., pp. 753–756.
**Hsieh, S.-S., and Kuo, M.-T.** An Experimental Investigation of the Augmentation of Tube-Side Heat Transfer in a Crossflow Heat Exchanger by Means of Strip-Type Inserts, pp. 381–390.
**Hsyua, Y.** See Lee, S. L., Yang, Z. H., and Hsyua, Y., pp. 167–172.
**Huang, P. C., and Vafai, K.** Analysis of Flow and Heat Transfer Over an External Boundary Covered With a Porous Substrate, pp. 768–771.
**Huang, P. C.** See Vafai, K., and Huang, P. C., pp. 604–613.
**Huang, X. C., and Bartsch, G.** A Technique for Establishing Inverted Annular Flow Through a Fast Power Transient, pp. 1053–1055.
**Huber, A. M., and Viskanta, R.** Convective Heat Transfer to a Confined Impinging Array of Air Jets With Spent Air Exits, pp. 570–576.
**Hung, Y. H.** See Chou, Y. J., and Hung, Y. H., pp. 479–482.
**Hunt, A. J.** See Zeng, S. Q., Hunt, A. J., Cao, W., and Greif, R., pp. 756–759.
**Hwang, G. J., and Chao, C. H.** Heat Transfer Measurement and Analysis for Sintered Porous Channels, pp. 456–464.
**Hwang, J.-J., and Liou, T.-M.** Augmented Heat Transfer in a Rectangular Channel With Permeable Ribs Mounted on the Wall, pp. 912–920.

## I

**Incropera, F. P.** See Prescott, P. J., and Incropera, F. P., pp. 735–741.
**Incropera, F. P.** See Prescott, P. J., Incropera, F. P., and Gaskell, D. R., pp. 742–749.
**Incropera, F. P.** See Slayzak, S. J., Viskanta, R., and Incropera, F. P., pp. 88–95.
**Incropera, F. P.** See Womac, D. J., Incropera, F. P., and Ramadhyani, S., pp. 482–486.
**Ito, K.** See Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K., pp. 1038–1041.

## J

**Jabbari, M. Y.** See Cho, H. H., Jabbari, M. Y., and Goldstein, R. J., pp. 904–911.
**Jackson, S. M.** See Ligrani, P. M., Wigle, J. M., Ciriello, S., and Jackson, S. M., pp. 341–352.
**Jackson, S. M.** See Ligrani, P. M., Wigle, J. M., and Jackson, S. M., pp. 352–362.
**Jaeger, R. C.** See Hingorani, S., Fahrner, C. J., Mackowski, D. W., Gooding, J. S., and Jaeger, R. C., pp. 296–301.
**Jaluria, Y.** See Choudhury, S. R., and Jaluria, Y., pp. 724–734.
**Jaluria, Y.** See Choudhury, S. R., Jaluria, Y., Vaskopoulos, T., and Polymeropoulos, C. E., pp. 790–794.
**Jaluria, Y.** See Papanicolaou, E., and Jaluria, Y., pp. 960–970.
**Jaluria, Y.** See Kang, B. H., Yoo, J., and Jaluria, Y., pp. 199–208.
**Jensen, M. K., and Tang, H.** Correlations for the CHF Condition in Two-Phase Crossflow Through Multitube Bundles, pp. 780–783.
**Jeter, S. M.** See Halvorson, P. J., Carson, R. J., Jeter, S. M., and Abdel-Khalik, S. I., pp. 679–685.
**Joshi, Y.** See Wroblewski, D. E., and Joshi, Y., pp. 112–119.

## K

**Kafui, K. D.** Transient Heat and Moisture Transfer in Thin Silica Gel Beds, pp. 946–953.
**Kalra, S. P.** See Roy, R. P., Velidandla, V., Kalra, S. P., and Peturaud, P., pp. 660–669.
**Kamotani, Y., Weng, F.-B., Ostrach, S., and Platt, J.** Oscillatory Natural Convection of a Liquid Metal in Circular Cylinders, pp. 627–632.
**Kang, B., Zhao, Z., and Poulikakos, D.** Solidification of Liquid Metal Droplets Impacting Sequentially on a Solid Surface, pp. 436–445.
**Kang, B. H., Yoo, J., and Jaluria, Y.** Experimental Study of the Convective Cooling of a Heated Continuously Moving Material, pp. 199–208.
**Karagiozis, A., Raithby, G. D., and Hollands, K. G. T.** Natural Convection Heat Transfer From Arrays of Isothermal Triangular Fins in Air, pp. 105–111.

**Kauh, S.** See Kim, C.-J., Kauh, S., Ro, S. T., and Lee, J. S., pp. 209–214.
**Kays, W. M.** 1992 Max Jakob Memorial Award Lecture: Turbulent Prandtl Number—Where Are We?, pp. 284–295.
**Kazmierczak, M.** See Mantle, J., Kazmierczak, M., and Hiawy, B., pp. 614–620.
**Khrustalev, D., and Faghri, A.** Thermal Analysis of a Micro Heat Pipe, pp. 189–198.
**Kim, C.-J., Kauh, S., Ro, S. T., and Lee, J. S.** Parametric Study of the Two-Dimensional Keyhole Model for High Power Density Welding Processes, pp. 209–214.
**Kim, H., Bankoff, S. G., and Miksis, M. J.** The Cylindrical Electrostatic Liquid Film Radiator for Heat Rejection in Space, pp. 986–992.
**Kim, I. Y.** See DasGupta, S., Kim, I. Y., and Wayner, P. C., Jr., pp. 1007–1015.
**Kim, S. H., and Anand, N. K.** Turbulent Heat Transfer Between a Series of Parallel Plates With Surface-Mounted Discrete Heat Sources, pp. 577–587.
**Kim, S. Y., Han, J. C., Morrison, G. L., and Elovic, E.** Local Heat Transfer in Enclosed Co-rotating Disks With Axial Throughflow, pp. 66–72.
**Kobus, C. J.** See Wedekind, G. L., and Kobus, C. L., pp. 503–505.
**Kornhauser, A. A., and Smith, J. L., Jr.** Application of a Complex Nusselt Number to Heat Transfer During Compression and Expansion, pp. 536–542.
**Koylü, Ü. Ö., and Faeth, G. M.** Optical Properties of Overfire Soot in Buoyant Turbulent Diffusion Flames at Long Residence Times, pp. 152–159.
**Koylü, Ü. Ö., and Faeth, G. M.** Optical Properties of Soot in Buoyant Laminar Diffusion Flames, pp. 971–979.
**Krajewski, W. F.** See Sanchez, A. A., Smith, T. F., and Krajewski, W. F., pp. 257–260.
**Kumar, S., and Vradis, G. C.** Thermal Conductivity of Thin Metallic Films, pp. 28–34.
**Kumar, S.** See Vedavarz, A., Kumar, S., and Moallemi, M. K., pp. 221–224.
**Kuo, M.-T.** See Hsieh, S.-S., and Kuo, M.-T., pp. 381–390.
**Kutscher, C. F.** Heat Exchanger Effectiveness and Pressure Drop for Air Drop Through Perforated Plates With or Without Crosswind, pp. 391–399.

## L

**Le, T. A.** See Zhang, Z. M., Le, T. A., Flik, M. I., and Cravalho, E. G., pp. 253–257.
**Lee, H. S.** See Chai, J. C., Lee, H. S. and Patankar, S. V., pp. 260–263.
**Lee, J. S.** See Kim, C.-J., Kauh, S., Ro, S. T., and Lee, J. S., pp. 209–214.
**Lee, S. L., Yang, Z. H., and Hsyua, Y.** Cooling of a Heated Surface by Mist Flow, pp. 167–172.
**Lee, Y.-M., Haji-Sheikh, A., Fletcher, L. S., and Peterson, G. P.** Effective Thermal Conductivity in Multidimensional Bodies, pp. 17–27.
**Li, J.-H.** See Rogers, J. T., and Li, J.-H., pp. 1049–1053.
**Lien, S. S.** See Chou, F. C., Su, J. H., and Lien, S. S., pp. 513–516.
**Lienhard, J. H., V** See Gabour, L. A., and Lienhard, J. H., V, pp. 81–87.
**Ligrani, P. M., Wigle, J. M., Ciriello, S., and Jackson, S. M.** Film-Cooling From Holes With Compound Angle Orientations: Part 1—Results Downstream of Two Staggered Rows of Holes With 3d Spanwise Spacing, pp. 341–352.
**Ligrani, P. M., Wigle, J. M., and Jackson, S. M.** Film-Cooling From Holes With Compound Angle Orientations: Part 2—Results Downstream of a Single Row of Holes with 6d Spanwise Spacing, pp. 353–362.
**Lin, J.-Y.** See Chen, H.-T., and Lin, J.-Y., pp. 750–753.
**Liou, T.-M.** See Hwang, J.-J., and Liou, T.-M., pp. 912–920.
**Liu, J., and Tiwari, S. N.** Investigation of Radiative Transfer in Nongray Gases Using a Narrow Band Model and Monte Carlo Simulation, pp. 160–166.
**Lloyd, J. R.** See Hamady, F. J., Lloyd, J. R., Yang, K. T., and Yang, H. Q., pp. 136–143.
**Longtin, J. P., Badran, B., and Gerner, F. M.** A One-Dimensional Model of a Micro Heat Pipe During Steady-State Operation, pp. 709–715.
**Lorentz, S. R.** See Zhang, Z. M., Datla, R. U., Lorentz, S. R., and Tang, H. C., pp. 993–998.
**Lu, J. D.** See Flamant, G., Lu, J. D., and Variot, B., pp. 652–659.
**Lund, K. O.** A Note on Axial-Flow Sensible-Heat Solar-Dynamic Receivers, pp. 273–275.
**Lykoudis, P. S.** See Vitharana, V. L., and Lykoudis, P. S., pp. 633–638.

## M

**Mackowski, D. W.** See Hingorani, S., Fahrner, C. J., Mackowski, D. W., Gooding, J. S., and Jaeger, R. C., pp. 296–301.
**Manning, K. S., and Qureshi, Z. H.** Transport Correlations for Laminar Aiding Mixed Convection Over a Vertical Isothermal Surface, pp. 777–780.
**Mantle, J., Kazmierczak, M., and Hiawy, B.** The Effect of Temperature Modulation on Natural Convection in a Horizontal Layer Heated From Below: High-Rayleigh-Number Experiments, pp. 614–620.
**Margo, B. D., and Seyed-Yagoobi, J.** Heat Transfer Enhancement Under Various Orientations Resulting From Attraction Mode Induction Electrohydrodynamic Pumping, pp. 598–603.
**Marto, P. J.** See Memory, S. B., Chilman, S. V., and Marto, P. J., pp. 670–678.
**Massier, P. F.** See Back, L. H., and Massier, P. F., pp. 35–39.
**McMurtry, P. A.** See Shirolkar, J. S., Queiroz, M., and McMurtry, P. A., pp. 761–764.
**Memory, S. B., Chilman, S. V., and Marto, P. J.** Nucleate Boiling of a TURBO-B Bundle in R-113, pp. 670–678.
**Menguc, M. P., and Dutta, P.** Scattering Tomography and Its Application to Sooting Diffusion Flames, pp. 144–151.
**Metzger, D. E.** See Dellenback, P. A., Sanger, J. L., and Metzger, D. E., pp. 864–870.
**Miksis, M. J.** See Kim, H., Bankoff, S. G., and Miksis, M. J., pp. 986–992.
**Mills, A. F.** See Gopinath, A., and Mills, A. F., pp. 47–53.
**Mitra, N. K.** See Tiggelback, S., Mitra, N. K., and Fiebig, M., pp. 880–885.
**Mittelbach, M., Vogd, C., Fletcher, L. S., and Peterson, G. P.** The Interfacial Pressure Distribution and Thermal Conductance of Bolted Joints, pp. 823–828.
**Moallemi, M. K., and Naraghi, M. N.** An Experimental and Analytical Investigation of Ice Formation From a Circular Water Jet Impinging on a Horizontal Cold Surface, pp. 1016–1027.
**Moallemi, M. K.** See Vedavarz, A., Kumar, S., and Moallemi, M. K., pp. 221–224.
**Mobarek, A. M.** See Habib, M. A., Mobarek, A. M., Sallak, M. A., Abdel-Hadi, E. A., and Affify, R. A., pp. 363–368.
**Mochizuki, S.** See Fan, S., Yang, W.-J., and Mochizuki, S., pp. 239–242.
**Morrison, G. L.** See Kim, S. Y., Han, J. C., Morrison, G. L., and Elovic, E., pp. 66–72.

## N

**Nagasaki, T.** See Fushinobu, K., Phelan, P. E., Hijikata, K., Nagasaki, T., and Flik, M. I., pp. 275–278.
**Nakabeppu, O.** See Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K., pp. 1038–1041.
**Nakayama, A.** A Unified Theory for Non-Darcy Free, Forced, and Mixed Convection Problems Associated With a Horizontal Line Heat Source in a Porous Medium, pp. 508–513.
**Naraghi, M. N.** See Moallemi, M. K., and Naraghi, M. N., pp. 1016–1027.

**Nasr, K., Ramadhyani, S., and Viskanta, R.** An Experimental Investigation on Forced Convection Heat Transfer From a Cylinder Embedded in a Packed Bed, pp. 73–80.
**Nasr, K., Viskanta, R., and Ramadhyani, S.** An Experimental Evaluation of the Effective Thermal Conductivities of Packed Beds at High Temperatures, pp. 829–837.
**Natarajan, V., and Chyu, M. K.** Effect of Flow Angle-of-Attack on the Local Heat/Mass Transfer From a Wall-Mounted Cube, pp. 552–560.
**Naylor, D.** See Straatman, A. G., Naylor, D., Floryan, J. M., and Tarasuk, J. D., pp. 243–245.
**Nyros, J. G., and Hsieh, C. K.** Combination of Source-and-Sink Method and Complex-Temperature Method for the Solution of Stefan Problems Imposed With Cyclic Temperature and Flux Conditions, pp. 753–756.

## O

**Ohmori, T.** See Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K., pp. 1038–1041.
**Orlande, H. R. B., and Özişik, M. N.** Determination of the Reaction Function in a Reaction-Diffusion Parabolic Problem, pp. 1041–1044.
**Ostrach, S.** See Kamotani, Y., Weng, F.-B., Ostrach, S., and Platt, J., pp. 627–632.
**Ou, S., and Han, J. C.** Leading Edge Film Cooling Heat Transfer Through One Row of Inclined Film Slots and Holes Including Mainstream Turbulence Effects, pp. 561–569.
**Ou, S., and Han, J. C.** Unsteady Wake Effect on Film Effectiveness and Heat Transfer Coefficient From a Turbine Blade With One Row of Air and $CO_2$ Film Injection, pp. 921–928.
**Özişik, M. N., and Tzou, D. Y.** On the Wave Theory in Heat Transfer, pp. 526–535.
**Özişik, M. N.** See Guedes, R. O. C., Özişik, M. N., and Cotta, R. M., pp. 40–46.
**Özişik, M. N.** See Orlande, H. R. B., and Özişik, M. N., pp. 1041–1044.
**Özişik, M. N.** See Tzou, D. Y., Özişik, M. N., and Chiffelle, R. J., pp. 1034–1038.

## P

**Papanicolaou, E., and Jaluria, Y.** Mixed Convection From Simulated Electronic Components at Varying Relative Positions in a Cavity, pp. 960–970.
**Pasamehmetoglu, K. O.** Turbulent Natural Convection Heat Transfer to Gases at High Wall Temperatures, pp. 246–247.
**Patankar, S. V.** See Chai, J. C., Lee, H. S., and Patankar, S. V., pp. 260–263.
**Pauley, W. R., and Eaton, J. K.** The Effect of Embedded Longitudinal Vortex Arrays on Turbulent Boundary Layer Heat Transfer, pp. 871–879.
**Pence, D. V., Beasley, D. E., and Figliola, R. S.** Heat Transfer and Surface Renewal Dynamics in Gas-Fluidized Beds, pp. 929–937.
**Peng, S.-W., and Chen, G.-Q.** Coupled Heat and Mass Transfer With One Discrete Sublimation Moving Interface and One Desorption Mushy Zone, pp. 215–220.
**Peterson, G. P.** See Ha, J. M., and Peterson, G. P., pp. 498–503.
**Peterson, G. P.** See Lee, Y.-M., Haji-Sheikh, A., Fletcher, L. S., and Peterson, G. P., pp. 17–27.
**Peterson, G. P.** See Mittelbach, M., Vogd, C., Fletcher, L. S., and Peterson, G. P., pp. 823–828.
**Peterson, R. B.** Direct Simulation of Phonon-Mediated Heat Transfer in a Debye Crystal, pp. 815–822.
**Peturaud, P.** See Roy, R. P., Velidandla, V., Kalra, S. P., and Peturaud, P., pp. 660–669.
**Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K.** Film/Substrate Thermal Boundary Resistance for an Er–Ba–Cu–O High-$T_c$ Thin Film, pp. 1038–1041.
**Phelan, P. E.** See Fushinobu, K., Phelan, P. E., Hijikata, K., Nagasaki, T., and Flik, M. I., pp. 275–278.
**Polymeropoulos, C. E.** See Choudhury, S. R., Jaluria, Y., Vaskopoulos, T., and Polymeropoulos, C. E., pp. 790–794.
**Pop, I.** See Rees, D. A. S., and Pop, I., pp. 505–508.
**Poujol, F., Ramos, E., and Rojas, J.** A Simplified Method for Calculating Transient Average Temperature and Heat Transfer in a Laterally Heated Cavity, pp. 784–786.
**Poulikakos, D.** See Kang, B., Zhao, Z., and Poulikakos, D., pp. 436–445.
**Platt, J.** See Kamotani, Y., Weng, F.-B., Ostrach, S., and Platt, J., pp. 627–632.
**Prescott, P. J., and Incropera, F. P.** Convective Transport Phenomena and Macrosegregation During Solidification of a Binary Metal Alloy: I—Numerical Predictions, pp. 735–741.
**Prescott, P. J., Incropera, F. P., and Gaskell, D. R.** Convective Transport Phenomena and Macrosegregation During Solidification of a Binary Metal Alloy: II—Experiments and Comparisons With Numerical Predictions, pp. 742–749.
**Priedeman, D., Callahan, V., and Webb, B. W.** Enhancement of Liquid Jet Impingement Heat Transfer With Surface Modifications, pp. 486–489.

## Q

**Queiroz, M.** See Shirolkar, J. S., Queiroz, M., and McMurtry, P. A., pp. 761–764.
**Qureshi, Z. H.** See Manning, K. S., and Qureshi, Z. H., pp. 777–780.

## R

**Raithby, G. D.** See Karagiozis, A., Raithby, G. D., and Hollands, K. G. T., pp. 105–111.
**Ramadhyani, S.** See Nasr, K., Ramadhyani, S., and Viskanta, R., pp. 73–80.
**Ramadhyani, S.** See Nasr, K., Viskanta, R., and Ramadhyani, S., pp. 829–837.
**Ramadhyani, S.** See Womac, D. J., Incropera, F. P., and Ramadhyani, S., pp. 482–486.
**Ramos, E.** See Poujol, F., Ramos, E., and Rojas, J., pp. 784–786.
**Ravigururajan, T. S., and Bergles, A. E.** Visualization of Flow Phenomena Near Enhanced Surfaces, pp. 54–57.
**Rees, D. A. S., and Pop, I.** A Note on Free Convection Along a Vertical Wavy Surface in a Porous Medium, pp. 505–508.
**Ro, S. T.** See Kim, C.-J., Kauh, S., Ro, S. T., and Lee, J. S., pp. 209–214.
**Rogers, J. T., and Li, J.-H.** Prediction of the Onset of Significant Void in Flow Boiling of Water, pp. 1049–1053.
**Rojas, J.** See Poujol, F., Ramos, E., and Rojas, J., pp. 784–786.
**Romie, F. E.** Transient Response of Crossflow Heat Exchangers With Zero Core Thermal Capacitance, pp. 775–777.
**Roy, R. P., Velidandla, V., Kalra, S. P., and Peturaud, P.** Local Measurements in the Two-Phase Region of Turbulent Subcooled Boiling Flow, pp. 660–669.

## S

**Saatdjian, E.** See Barbosa Mota, J. P., and Saatdjian, E., pp. 621–626.
**Saito, K.** See Ban, H., Venkatesh, S., and Saito, K., pp. 954–959.
**Sallak, M. A.** See Habib, M. A., Mobarak, A. M., Sallak, M. A., Abdel Hadi, E. A., and Affify, R. I., pp. 363–368.
**Sanchez, A. A., Smith, T. F., and Krajewski, W. F.** Dimensionality Issues in Modeling With the Discrete-Ordinates Method, pp. 257–260.
**Sanger, J. L.** See Dellenback, P. A., Sanger, J. L., and Metzger, D. E., pp. 864–870.
**Scott, E. P.** An Analytical Solution and Sensitivity Study of Sublimation-Dehydration Within a Porous Medium With Volumetric Heating, pp. 686–693.
**Segall, A. E.** Corrective Solutions for Intrinsic Thermocouples Under Polynomial Substrate Loading, pp. 759–761.

**Seyed-Yagoobi, J.** See Margo, B. D., and Seyed-Yagoobi, J., pp. 598–603.
**Sheriff, H. S., and Zumbrunnen, D. A.** Effect of Flow Pulsations on the Cooling Effectiveness of an Impinging Jet, pp. 886–895.
**Shirolkar, J. S., Queiroz, M., and McMurtry, P. A.** Statistical Properties of Passive Scalar and Temperature Dissipation Rates in a Turbulent Reacting Shear Layer, pp. 761–764.
**Siegal, R., and Spuckler, C. M.** Effects of Refractive Index and Diffuse or Specular Boundaries on a Radiating Isothermal Layer, pp. 787–790.
**Sinclair, G. B.** On Multiple Moving Sources of Heat and Implications for Flash Temperatures, pp. 230–233.
**Slayzak, S. J., Viskanta, R., and Incropera, F. P.** Effects of Interactions Between Adjoining Rows of Circular, Free-Surface Jets on Local Heat Transfer From Impingement Surface, pp. 88–95.
**Smith, J. L., Jr.** See Kornhauser, A. A., and Smith, J. L., Jr., pp. 536–542.
**Smith, J. S.** See Chen, G., Tien, C. L., Wu, X., and Smith, J. S., pp. 325–331.
**Smith, T. F.** See Sanchez, A. A., Smith, T. F., and Krajewski, W. F., pp. 257–260.
**So, R. M. C., and Sommer, T. P.** A Near-Wall Eddy Conductivity Model for Fluids With Different Prandtl Numbers, pp. 844–854.
**So, R. M. C.** See Sommer, T. P., So, R. M. C., and Zhang, H. S., pp. 855–863.
**Sommer, T. P., So, R. M. C., and Zhang, H. S.** Heat Transfer Modeling and the Assumption of Zero Wall Temperature Fluctuations, pp. 855–863.
**Sommer, T. P.** See So, R. M. C., and Sommer, T. P., pp. 844–854.
**Song, Y.** See Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K., pp. 1038–1041.
**Spuckler, C. M.** See Siegal, R., and Spuckler, C. M., pp. 787–790.
**Srinivasan, V., Vafai, K., and Christensen, R. N.** Analysis of Heat Transfer and Fluid Flow Through a Spirally Fluted Tube Using a Porous Substrate Approach, pp. 543–551.
**Stewart, W. E., Jr., Cai, L., and Stickler, L. A.** Convection in Heat-Generating Porous Media With Permeable Boundaries—Natural Ventilation of Grain Storage Bins, pp. 1044–1046.
**Stickler, L. A.** See Stewart, W. E., Jr., Cai, L., and Stickler, L. A., pp. 1044–1046.
**Straatman, A. G., Naylor, D., Floryan, J. M., and Tarasuk, J. D.** A Study of Natural Convection Between Inclined Isothermal Plates, pp. 243–245.
**Struble, C. L., and Witte, L. C.** An In Situ Technique for Measuring Heat Transfer From a Power Transistor to a Boiling Liquid, pp. 495–498.
**Su, J. H.** See Chou, F. C., Su, J. H., and Lien, S. S., pp. 513–516.
**Su, L. T.** See Goodson, K. E., Flik, M. I., Su, L. T., and Antoniadis, D. A., pp. 317–324.

## T

**Takahashi, K.** See Tsukada, T., and Takahashi, K., pp. 278–281.
**Talmage, G.** A Note on Heat Conduction in Liquid Metals: A Comparison of Laminar and Turbulent Flow Effects, pp. 476–479.
**Tan, M. J., Cho, D. H., and Cheung, F. B.** Thermal Analysis of Heat-Generating Pools Bounded From Below by Curved Surfaces, pp. 127–135.
**Tang, H.** See Jensen, M. K., and Yang, H., pp. 780–783.
**Tang, H. C.** See Zhang, Z. M., Datla, R. U., Lorentz, S. R., and Tang, H. C., pp. 993–998.
**Tang, K. C., and Brewster, M. Q.** *K*-Distribution Analysis of Gas Radiation With Nongray, Emitting, Absorbing, and Anisotropic Scattering Particles, pp. 980–985.
**Tao, W. Q.** See Xin, R. C., and Tao, W. Q., pp. 224–228.
**Tao, W. Q.** See Cheng, B., and Tao, W. Q., pp. 266–270.
**Tarasuk, J. D.** See Straatman, A. G., Naylor, D., Floryan, J. M., and Tarasuk, J. D., pp. 243–245.
**Tekriwal, P.** Heat Transfer Predictions With Extended $\kappa$–$\epsilon$ Turbulence Model in Radial Cooling Ducts Rotating in Orthogonal Mode, pp. 369–380.
**Tien, C. L., and Chen, G.** Challenges in Microscale Conductive and Radiative Heat Transfer, pp. 799–807.
**Tien, C. L.** See Chen, G., and Tien, C. L., pp. 311–316.
**Tien, C. L.** See Chen, G., Tien, C. L., Wu, X., and Smith, J. S., pp. 325–331.
**Tiggelbeck, St., Mitra, N. K., and Fiebig, M.** Comparison of Wing-Type Vortex Generators for Heat Transfer Enhancement in Channel Flows, pp. 880–885.
**Tiwari, S. N.** See Liu, J., and Tiwari, S. N., pp. 160–166.
**Todreas, N. E.** See Fu, G., Todreas, N. E., Hejzlar, P., and Driscoll, M. J., pp. 489–492.
**Torikoshi, K.** See Phelan, P. E., Song, Y., Nakabeppu, O., Ito, K., Hijikata, K., Ohmori, T., and Torikoshi, K., pp. 1038–1041.
**Tseng, L.-K.** See Dai, Z., Tseng, L.-K., and Faeth, G. M., pp. 409–417.
**Tsukada, T., and Takahashi, K.** Experimental Study of Axial Temperature Profile Characteristics in a Purex Process Pulsed Column, pp. 278–281.
**Tzou, D. Y., Özişik, M. N., and Chiffelle, R. J.** The Lattice Temperature in the Microscopic Two-Step Model, pp. 1034–1038.
**Tzou, D. Y.** See Özişik, M. N., and Tzou, D. Y., pp. 526–535.

## V

**Vafai, K., and Huang, P. C.** Analysis of Heat Transfer Regulation and Modification Employing Intermittently Emplaced Porous Cavities, pp. 604–613.
**Vafai, K.** See Huang, P. C., and Vafai, K., pp. 768–771.
**Vafai, K.** See Srinivasan, V., Vafai, K., and Christensen, R. N., pp. 543–551.
**Vargas, J. C. V., Bejan, A., and Dobrovicescu, A.** The Melting of an Ice Shell on a Heated Horizontal Cylinder, pp. 702–708.
**Variot, B.** See Flamant, G., Lu, J. D., and Variot, B., pp. 652–659.
**Vaskopoulos, T.** See Choudhury, S. R., Jaluria, Y., Vaskopoulos, T., and Polymeropoulos, C. E., pp. 790–794.
**Vedavarz, A., Kumar, S., and Moallemi, M. K.** Significance of Non-Fourier Heat Waves in Conduction, pp. 221–224.
**Velidandla, V.** See Roy, R. P., Velidandla, V., Kalra, S. P., and Peturaud, P., pp. 660–669.
**Venkatesh, S.** See Ban, H., Venkatesh, S., and Saito, K., pp. 953–959.
**Viskanta, R.** See Huber, A. M., and Viskanta, R., pp. 570–576.
**Viskanta, R.** See Nasr, K., Ramadhyani, S., and Viskanta, R., pp. 73–80.
**Viskanta, R.** See Nasr, K., Viskanta, R., and Ramadhyani, S., pp. 829–837.
**Viskanta, R.** See Slayzak, S. J., Viskanta, R., and Incropera, F. P., pp. 88–95.
**Vitharana, V. L., and Lykoudis, P. S.** Criteria for Predicting the Transition to Turbulence in Natural Convection Along a Vertical Surface, pp. 633–638.
**Vogd, C.** See Mittelbach, M., Vogd, C., Fletcher, L. S., and Peterson, G. P., pp. 823–828.
**Vradis, G. C.** See Kumar, S., and Vradis, G. C., pp. 28–34.

## W

**Wakitani, S.** Experiments on Convective Instability of Large Prandtl Number Fluids in a Vertical Slot, pp. 120–126.
**Wayner, P. C., Jr.** Thermal and Mechanical Effects in the Spreading of a Liquid Film Due to a Change in the Apparent Finite Contact Angle, pp. 938–945.
**Wayner, P. C., Jr.** See DasGupta, S., Kim, I. Y., and Wayner, P. C., Jr., pp. 1007–1015.
**Webb, B. W.** See Priedeman, D., Callahan, V., and Webb, B. W., pp. 486–489.
**Wedekind, G. L., and Kobus, C. J.** Modeling Thermally Governed Transient Flows in Multitube Evaporating Flow Systems With Thermal and Flow System Asymmetry, pp. 503–505.
**Wei, P. S.** See Fomin, S. A., Wei, P. S., and Chugunov, V. A., pp. 1028–1033.

**Weng, F.-B.** See Kamotani, Y., Weng, F.-B., Ostrach, S., and Platt, J., pp. 627–632.

**West, J., Bhattacharjee, S., and Altenkirch, R. A.** Surface Radiation Effects on Flame Spread Over Thermally Thick Fuels in an Opposing Flow, pp. 646–651.

**Wigle, J. M.** See Ligrani, P. M., Wigle, J. M., Ciriello, S., and Jackson, S. M., pp. 341–352.

**Wigle, J. M.** See Ligrani, P. M., Wigle, J. M., Ciriello, S., and Jackson, S. M., pp. 353–362.

**Witte, L. C.** See Struble, C. L., and Witte, L. C., pp. 495–498.

**Womac, D. J., Incropera, F. P., and Ramadhyani, S.** Correlating Equations for Impingement Cooling of Small Heat Sources With Multiple Circular Liquid Jets, pp. 482–486.

**Wroblewski, D. E., and Joshi, Y.** Liquid Immersion Cooling of a Substrate-Mounted Protrusion in a Three-Dimensional Enclosure: The Effects of Geometry and Boundary Conditions, pp. 112–119.

**Wu, X.** See Chen, G., Tien, C. L., Wu, X., and Smith, J. S., pp. 325–331.

## X

**Xin, R. C., and Tao, W. Q.** Analytical Solution for Transient Heat Conduction in Two Semi-infinite Bodies in Contact, pp. 224–228.

## Y

**Yang, G., and Ebadian, M. A.** Perturbation Solution for Laminar Convective Heat Transfer in a Helix Pipe, pp. 771–775.

**Yang, H. Q.** See Hamady, F. J., Lloyd, J. R., Yang, K. T., and Yang, H. Q., pp. 136–143.

**Yang, K. T.** See Hamady, F. J., Lloyd, J. R., Yang, K. T., and Yang, H. Q., pp. 136–143.

**Yang, S.-A., and Chen, C.-K.** Laminar Film Condensation on a Horizontal Elliptical Tube With Variable Wall Temperature, pp. 1046–1049.

**Yang, W.-J.** See Fann, S., Yang, W.-J., and Mochizuki, S., pp. 239–242.

**Yang, Z. H.** See Lee, S. L., Yang, Z. H., and Hsyua, Y., pp. 167–172.

**Yokosawa, H.** See Hirota, M., Fujita, H., and Yokosawa, H., pp. 332–340.

**Yoo, J.** See Kang, B. H., Yoo, J., and Jaluria, Y., pp. 199–208.

**Yovanovich, M. M.** See Ahmed, G. R., and Yovanovich, M. M., pp. 838–843.

## Z

**Zeng, S. Q., Hunt, A. J., Cao, W., and Greif, R.** Pore Size Distributions and Apparent Gas Thermal Conductivity of Silica Aerogel, pp. 756–759.

**Zeng, X., and Faghri, A.** Experimental and Numerical Study of Microwave Thawing Heat Transfer for Food Materials, pp. 446–455.

**Zhang, C.** Numerical Modeling Using a Quasi-Three-Dimensional Procedure for Large Power Plant Condensers, pp. 180–188.

**Zhang, H. S.** See Sommer, T. P., So, R. M. C., and Zhang, H. S., pp. 855–863.

**Zhang, L., and Han, J.-C.** Influence of Mainstream Turbulence on Heat Transfer Coefficients From a Gas Turbine Blade, pp. 896–903.

**Zhang, W.** See Chan, S. H., and Zhang, W., pp. 173–179.

**Zhang, Y. M., Gu, W. Z., and Han, J. C.** Heat Transfer and Friction in Rectangular Channels With Ribbed or Ribbed-Grooved Walls, pp. 58–65.

**Zhang, Z. M., Datla, R. U., Lorentz, S. R., and Tang, H. C.** Thermal Modeling of Absolute Cryogenic Radiometers, pp. 993–998.

**Zhang, Z. M., Le, T. A., Flik, M. I., and Cravalho, E. G.** Infrared Optical Constants of the High-$T_c$ Superconductor $YBa_2Cu_3O_7$, pp. 253–257.

**Zhao, Z.** See Kang, B., Zhao, Z., and Poulikakos, D., pp. 436–445.

**Zhongwu, L.** See Zongrui, L., and Zhongwu, L., pp. 228–230.

**Zongrui, L., and Zhongwu, L.** A Control Theory Method for Solutions of Inverse Transient Heat Conduction Problems, pp. 228–230.

**Zumbrunnen, D. A.** See Sheriff, H. S., and Zumbrunnen, D. A., pp. 886–895.